



No.	Activity Name	Sub Act	Pri- ority	Reimb	RMT Mgt Ofc	Activity Manager	FY09 Request	FY10 Orig Est	FY11 Est.	FY12 Est.	FY13 Est.	FY14 Est.	FY15 Est.
<b>0353 - CVP, American River Div. (CC-100)</b>													
<b>0353 - A10 - Water &amp; Energy Management &amp; Development</b>													
17	Long Term Folsom Reoperation And Comprehensive Flood Management Plan	W	2	No	CC-100	Lessard	-	37	12	12	12	12	12
20	Water Conservation Activities	C	2	No	CC-100	Vonich	177	181	187	189	193	207	214
22	NEPA Compliance	H	2	Yes	CC-100	Van Pelt	219	233	253	268	285	287	294
36	Environmental Monitoring Program	H	2	Yes	CC-100	Vonich	114	117	120	122	122	125	127
84	Energy Conservation Planning - Folsom & Nimbus Dam/Power Plant Areas	E	2	Yes	CC-100	Thorne	-	-	31	31	31	31	35
107	Water Marketing	H	2	Yes	CC-100	Billingsley	215	222	222	226	226	228	230
145	Development And Implementation Of Existing Proposals	U	2	Yes	CC-100	Van Pelt	50	80	82	85	88	94	98
158	Water Related Resource Management	X	2	Yes	CC-100	Clevenger	89	91	93	94	94	96	97
200	Water Forum	W	2	Yes	CC-100	Van Pelt	100	181	183	185	187	190	192
893	American River Operations Support	H	2	Yes	CC-100	Van Pelt	169	171	175	175	175	178	193
900	Groundwater Monitoring And Reports	W	2	No	CC-100	Parrott	11	11	11	11	11	11	12
<b>A10 - Approp Subtotal:</b>							<b>1,144</b>	<b>1,324</b>	<b>1,369</b>	<b>1,398</b>	<b>1,424</b>	<b>1,459</b>	<b>1,504</b>
<b>0353 - A20 - Land Management &amp; Development</b>													
43	Hazardous Materials Program O&M, Investigation & Inspection of USBR Land	L	2	Yes	CC-100	Vonich	165	194	199	204	206	209	211
76	Resource Management	L	2	No	CC-100	Clevenger	342	355	767	775	775	779	781
78	Concession Management & Support for Managing Partners	R	2	No	CC-100	Caballero	-	111	115	118	118	121	122
*1094	Recreation And Wildlife Cost-Share Program	R	2	No	CC-100	Clevenger	-	-	-	667	667	735	741
1102	Resource Management Plans - Development & Monitoring	L	2	No	CC-100	Clevenger	-	-	30	30	30	441	43
<b>A20 - Approp Subtotal:</b>							<b>507</b>	<b>660</b>	<b>1,111</b>	<b>1,794</b>	<b>1,796</b>	<b>2,285</b>	<b>1,898</b>
<b>0353 - A30 - Fish &amp; Wildlife Management &amp; Development</b>													
241	Endangered Species Act Compliance	H	2	Yes	CC-100	Van Pelt	57	93	95	99	101	101	105
971	Folsom Dam Penstock Temperature Control Device	F	2	No	CC-100	Lessard	-	-	4,068	1,328	-	210	-
<b>A30 - Approp Subtotal:</b>							<b>57</b>	<b>93</b>	<b>4,163</b>	<b>1,427</b>	<b>101</b>	<b>311</b>	<b>105</b>
<b>0353 - A40 - Facilities Operation</b>													
64	Nimbus Dam Operations & Maintenance	M	1	Yes	CC-100	Netto	303	337	345	350	358	366	373
66	Folsom Pumping Plant/Pipeline O&M	N	1	Yes	CC-100	Netto	878	902	925	955	955	973	1,002
85	Nimbus Fish Hatch Management/Food	G	1	No	CC-100	Robinson	2,375	2,405	2,899	2,988	3,064	3,158	3,251
92	Public Information, Education And Outreach	J	2	No	CC-100	Billingsley	325	334	348	360	371	381	400
104	Folsom Area Buildings, Grounds & Roads Maintenance	M	2	Yes	CC-100	Adair	999	1,015	1,045	1,075	1,105	1,099	1,123
105	Folsom South Canal Operations & Maintenance	M	1	Yes	CC-100	Netto	415	420	476	448	461	486	500
183	Folsom Garage	Q	1	Yes	CC-100	Adair	465	480	500	521	548	578	582
236	Telecom & Computer Services - CCAO	Q	1	Yes	CC-100	Denes	442	472	483	495	495	509	507
863	Folsom Dam Operations & Maintenance	M	1	Yes	CC-100	Netto	925	948	975	1,001	1,035	1,058	1,076
886	Folsom - Safety	T	1	Yes	CC-100	Holloway	64	70	62	65	68	71	73

No.	Activity Name	Sub Act	Pri- ority	Reimb	RMT Mgt Ofc	Activity Manager	FY09 Request	FY10 Orig Est	FY11 Est.	FY12 Est.	FY13 Est.	FY14 Est.	FY15 Est.
986	Folsom - Security	0	1	No	CC-100	Lawson	250	775	785	797	812	819	834
1000	Hydrilla Detection & Eradication Project	N	2	No	CC-100	Pederson	31	31	31	31	31	31	31
A40 - Approp Subtotal:							7,472	8,189	8,874	9,086	9,303	9,529	9,752
0353 - A50 - Facilities Maintenance & Rehabilitation													
738	Accessibility Corrective Maintenance	M	2	Yes	CC-100	Holloway	300	300	300	300	300	500	500
1100	Folsom Dam - Support In Conjunction With Corps Of Engineer's Modifications	0	2	Yes	CC-100	Lessard	-	500	500	500	500	500	500
A50 - Approp Subtotal:							300	800	800	800	800	1,000	1,000
0353 - U40 - Facilities Operation													
38	Folsom Powerplant Operations & Maintenance	P	1	Yes	CC-100	Netto	2,705	2,783	2,873	2,953	2,953	2,705	-
58	Nimbus Powerplant Operations & Maintenance	P	1	Yes	CC-100	Netto	1,658	1,708	1,759	1,805	1,805	1,658	-
68	Folsom Switchyard Operations & Maintenance	P	1	Yes	CC-100	Netto	160	165	170	176	176	160	-
71	Nimbus Switchyard Operations & Maintenance	P	1	Yes	CC-100	Netto	40	41	41	43	43	40	-
U40 - Approp Subtotal:							4,563	4,697	4,843	4,977	4,977	4,563	-
0353 - Project Subtotal:							14,043	15,763	21,160	19,482	18,401	19,147	14,259
Report Total:							14,043	15,763	21,160	19,482	18,401	19,147	14,259
A10 - Approp Subtotal:							1,144	1,324	1,369	1,398	1,424	1,459	1,504
A20 - Approp Subtotal:							507	660	1,111	1,794	1,796	2,285	1,898
A30 - Approp Subtotal:							57	93	4,163	1,427	101	311	105
A40 - Approp Subtotal:							7,472	8,189	8,874	9,086	9,303	9,529	9,752
A50 - Approp Subtotal:							300	800	800	800	800	1,000	1,000
U40 - Approp Subtotal:							4,563	4,697	4,843	4,977	4,977	4,563	-
Report Total:							14,043	15,763	21,160	19,482	18,401	19,147	14,259



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Long Term Folsom Reoperation And Comprehensive Flood Managem	<b>Activity ID:</b>	17
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	No
<b>Description of Activity:</b>		<b>Fund:</b>	A1W

In March 1995, Reclamation entered into a contract with the Sacramento Area Flood Control Agency (SAFCA) in which Reclamation agreed to reoperate Folsom Dam and Reservoir to provide 100-year flood control to areas along the lower American River for an interim period which ended on October 31, 1999. That contract was extended in 1999 and in 2000. Congress, in the Water Resources Development Act of 1996 (clarified in Reclamation's Appropriations Act for 2002), directed Reclamation to continue to re-operate the Dam and Reservoir until a comprehensive flood control plan was implemented, and that the local sponsor cost share would be 25 percent. A new agreement was executed in 2004. This activity includes administering that contract for an indefinite period of time. This activity includes Reclamation's participation in the Comprehensive Flood Control Plan. COST FOR WATER AND POWER REPLACEMENT ARE NOT INCLUDED. These are included in activity plan #985 "Long-Term Folsom Reoperation - Water And Power Costs."

**Explanation Change from PFY:**

COST FOR WATER AND POWER REPLACEMENT ARE NOT INCLUDED. These are included in the BAP titled Long-Term Folsom Reoperation - Water And Power Costs.  
The increase is to cover 1/4 FTE for the study.

**Impact(s) if Unfunded:**

Reclamation, by law, has to participate in this activity. If no funding is set aside to pay Reclamation's participation, the costs will have to come out of existing funds, impacting Reclamation's operation and maintenance activities. If this activity is not fully funded, Reclamation will not be able to participate in the development of a comprehensive flood control plan that would protect Reclamation's interests.

**Activity Authorization:**

Water Resources Development Act of 1996 (clarified in Reclamation's Appropriations Act for 2002)



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

		Breakdown by Object Code				
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	8	8	8	8	8
8126	Regional Indirect Cost	2	2	2	2	2
8128	Office Indirect Cost	2	2	2	2	2
<b>Total Federal Estimate:</b>		<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>
<b>Total Estimate:</b>		<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Water Conservation Activities	<b>Activity ID:</b>	20
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	No
<b>Description of Activity:</b>		<b>Fund:</b>	A1C

Provides funding to improve the uses of water more effectively, meet present and future needs, and to foster improvements in efficiency of use and management of water. This includes measures that will reduce the use, loss, and waste of water and supports the reuse and/or recycling of water. Interior and Reclamation has established through numerous memos and policies that water conservation activities will be a high priority. (This program does not include the Water Planning and Management Services (WPMS) which is to be budgeted at the region per directions from Tracy Slavin). This budget also includes funding to support and develop Water Conservation Visitor Center required by CVPIA of 1992.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

Failure to implement a water conservation program will put Reclamation in violation of the RRA of 1982 and CVPIA of 1992 and will expose Reclamation to possible liability from various public, private, and environmental entities. In addition, numerous lawsuits will be filed against Reclamation for failure to enact water conservation measures as required by the above mentioned laws.

### **Activity Authorization:**

Central Valley Project Improvement Act of 1992  
Reclamation Reform Act of 1982



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	80	82	85	89	92
2100	Total Travel	3	3	3	3	3
2400	Printing and Repro	3	3	3	4	4
2500	Other Services	51	51	51	55	59
2600	Supplies & Materials	3	3	3	3	5
8126	Regional Indirect Cost	24	25	26	28	28
8128	Office Indirect Cost	24	23	23	25	23
<b>Total Federal Estimate:</b>		<b>187</b>	<b>189</b>	<b>193</b>	<b>207</b>	<b>214</b>
<b>Total Estimate:</b>		<b>187</b>	<b>189</b>	<b>193</b>	<b>207</b>	<b>214</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	NEPA Compliance	<b>Activity ID:</b>	22
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A1H

Reclamation is legally obligated to evaluate the environmental impacts of its actions and publicly disclose the findings prior to taking an action with significant impacts to the environment. This activity is required to support routine ongoing Reclamation water and power operations and includes evaluations, coordination, consultations, mitigation, and document preparation pursuant to the National Environmental Policy Act (NEPA), the Fish and Wildlife Coordination Act, the National Historic Preservation Act (NHPA), and other environmental laws and regulations. The types of actions typically taken include, but are not limited to executing temporary water service and Warren Act contracts and outgrants, making minor changes to project operations, conducting maintenance activities, and minor construction activities. Compliance with the Endangered Species Act is included in a separate Activity Plan.

**Explanation Change from PFY:**

increased need to support the review of environmental documentation associated with the lower American River Flow Management Standard.

**Impact(s) if Unfunded:**

If not fully funded, Reclamation's ongoing activities will be delayed or prohibited because the agency would otherwise not be in compliance with the environmental laws and regulations. This could result in not achieving water deliveries, loss of power production, exposure to legal actions by others, and the inability to effectively manage Reclamation lands.

**Activity Authorization:**

P.L. 91-190, National Environmental Policy Act of 1969, as amended

P.L. 85-624, Fish & Wildlife Coordination Act of 1958

P.L. 89-655, National Historic Preservation Act of 1966, as amended



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

		Breakdown by Object Code				
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	85	93	93	94	96
2100	Total Travel	1	1	1	1	2
2500	Other Services	115	120	137	138	140
8126	Regional Indirect Cost	26	27	27	28	29
8128	Office Indirect Cost	26	27	27	26	27
<b>Total Federal Estimate:</b>		<b>253</b>	<b>268</b>	<b>285</b>	<b>287</b>	<b>294</b>
<b>Total Estimate:</b>		<b>253</b>	<b>268</b>	<b>285</b>	<b>287</b>	<b>294</b>





## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Environmental Monitoring Program	<b>Activity ID:</b>	36
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A1H

In accordance with Reclamation's mission to manage, develop, and protect water and related resources, this funding provides the resources to meet local, state, and Federal requirements for environmental monitoring of water, soil, air, and other natural resources. This budget includes money for new and ongoing investigations related to water quality, aquatic life, mercury, fecal coliform, public health, fisheries, and other natural resources.

### Explanation Change from PFY:

### Impact(s) if Unfunded:

If unfunded, Reclamation may be liable for damages to public health and safety, environmental resources, and downstream water users. This activity improves Reclamation's ability to operate and maintain facilities for water and power delivery.

### Activity Authorization:

Clean Water Act (33 U.S.C. 1251 et seq.)

Clean Air Act, as amended.

P.L. 91-190, National Environmental Policy Act of 1969, as amended.

P.L. 93-205, Endangered Species Act of 1973



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	18	19	19	20	21
2100	Total Travel	5	5	5	5	5
2400	Printing and Repro	1	1	1	1	1
2500	Other Services	81	81	81	82	83
2600	Supplies & Materials	5	5	5	5	5
8126	Regional Indirect Cost	6	6	6	6	6
8128	Office Indirect Cost	6	6	6	6	6
<b>Total Federal Estimate:</b>		<b>120</b>	<b>122</b>	<b>122</b>	<b>125</b>	<b>127</b>
<b>Total Estimate:</b>		<b>120</b>	<b>122</b>	<b>122</b>	<b>125</b>	<b>127</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Energy Conservation Planning - Folsom & Nimbus Dam/Power Plan	<b>Activity ID:</b>	84
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A1E

Executive Order 12902 requires the reduction of energy and water consumption at Federal facilities. Energy consumption in Federal buildings is to be reduced by 30 percent by 2005 based on 1985 usage. Executive Order 13123 requires, through life-cycle cost-effective energy measures, each agency shall reduce its greenhouse gas emissions attributed to facility energy use by 30% by 2010 compared to such emissions levels in 1990. It further states each agency shall reduce energy consumption per gross square foot of its facilities by 35% by 2010 relative to 1985. In order to track energy usage, we need to install meters on our facilities. Section 103 of EPAct 2005 requires that meters be installed at federal facilities "to the maximum extent practicable", by October 31, 2012. Plans must be developed that are cost effective (provide payback in less than 10 years). All energy conservation measures that are cost effective must be implemented. To track progress, semi-annual and annual reports are required to be submitted to document energy usage and to give a description of the energy and water saving projects that are being implemented. Some of the projects being considered are replacement of heaters, air conditioners, pumps, lighting systems and installation of photo voltaic systems. The engineering staff will make the final determination which energy conservation projects will be selected.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

Selecting cost effective projects and developing plans to accomplish will lose out to higher priority projects that are funded. Energy and water conservation projects that would show a savings normally have high initial costs and a leaner more cost effective organization tends to expend those efforts accomplishing tasks that are funded. Loss of funding will delay the accomplishment of Executive Order 13123.

### **Activity Authorization:**

Nimbus and Folsom Dams were authorized by P.L. 89-161, September 2, 1965. Energy conservation was directed by Executive Order 12902, "Energy Efficiency and Water Conservation at Federal Facilities," dated March 10, 1994 and Executive Order 13123 "Greening the Government through Efficient Energy Management", dated June 3, 1999.



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	3	3	3	3	4
2500	Other Services	19	19	19	19	20
2600	Supplies & Materials	6	6	6	6	7
3100	Equipment	1	1	1	1	-
8126	Regional Indirect Cost	1	1	1	1	2
8128	Office Indirect Cost	1	1	1	1	2
<b>Total Federal Estimate:</b>		<b>31</b>	<b>31</b>	<b>31</b>	<b>31</b>	<b>35</b>
<b>Total Estimate:</b>		<b>31</b>	<b>31</b>	<b>31</b>	<b>31</b>	<b>35</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Water Marketing	<b>Activity ID:</b>	107
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A1H

Manage and enforce the terms and conditions of water contracts and agreements within the core mission of Reclamation. Activities under this plan provide for efficient operation of project facilities by tracking and projecting water use. Require water conservation measures through the implementation of provisions of water contracts and enforcement of the Reclamation Reform Act (RRA) and Central Valley Project Improvement Act (CVPIA). Lead and protect efforts to provide environmental restoration and mitigation. Interact with California state agencies to ensure coordination and compliance with State laws regarding water and energy management and development. Work with California's State Water Resources Control Board (SWRCB) to ensure that Reclamation's water rights conform to state requirements. File new applications or petitions for change when required by SWRCB or necessary to protect Reclamation's permits, licenses, and interests in California. Monitor and analyze water rights filings in the American River Basin to determine the effects of those filings on Central Valley Project (CVP) water deliveries and environmental commitments of the CVP. Protest water rights filings when necessary to protect Federal interests. Participate in water rights litigation in the American River Basin to influence legal settings that affect Project water deliveries and environmental commitments of the Project. Review, monitor and enforce Reclamation and Federal law. Provide input for changes in existing law, distribute and interpret new laws to interested parties, and develop strategies for implementation of these laws. Manage and enforce the terms and conditions of water contracts and agreements. Review and interpret contract conditions and terms for water users, account and bill for water use, inform water users of violations of contract terms and conditions, and provide contractors with guidance in managing within contract terms. Negotiate and execute contracts for the delivery of water from project facilities. Develop bases of negotiation, instigate environmental compliance activities, conduct negotiating sessions, prepare contract documents, and execute contracts and amendatory agreements to contracts. Conduct water marketing, pricing and economic studies to accurately charge for water delivered. Review project costs and charges, analyze current water costs and pricing, and evaluate repayment structure. Conduct the RRA compliance program. Provide compliance and reporting forms to water districts, aid and educate districts in the use of those forms, collect and review summaries of water user forms, conduct district reviews, and otherwise enforce the provisions of the law. Review and implement water transfers. Evaluate cost recovery procedures and actions to protect the Federal investment. Administer the Reclamation loan program. Provide administrative support for water and energy management, administration and compliance activities. Assist the AO Drought Coordinator. Perform typing, filing, mail and other administrative tasks necessary for the implementation of these tasks.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

Without this activity, or if it is partially funded, the effective management of the American River Division would be jeopardized, and the ability of Reclamation to meet its responsibilities under Reclamation and Federal laws would be limited. Further water development in the American River Basin would go unchecked, and the ability of Reclamation to meet its full contractual commitments could be jeopardized. Water contracts and agreements could not be amended. Water marketing, pricing and economic studies would not be conducted. The RRA would not be enforced. NEPA compliance work would not be conducted. The necessary administrative work for proper record keeping and correspondence would not be done. This would lead to unnecessary constraints on CVP operations that would cause inefficiencies. Water conservation efforts currently underway could be stalled, and monitoring and management activities curtailed. Efforts to mitigate past environmental impacts could be stalled, and work necessary to avoid future environmental impacts could be harmed. The work necessary to properly account for and manage the American River Division's water and power resources could be foregone.

### **Activity Authorization:**

Reclamation Act of 1902  
Reclamation Projects Act of 1939  
P.L. 78-534, Flood Control Act of 1944  
P.L. 81-356, American River Basin Development Act of 1949  
P.L. 91-190, National Environmental Protection Act of 1969  
P.L. 102-575, Central Valley Project Improvement Act of 1992



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	127	130	130	132	136
2100	Total Travel	11	11	11	11	12
2600	Supplies & Materials	8	8	8	8	8
8126	Regional Indirect Cost	38	39	39	40	40
8128	Office Indirect Cost	38	39	39	37	34
<b>Total Federal Estimate:</b>		<b>222</b>	<b>226</b>	<b>226</b>	<b>228</b>	<b>230</b>
<b>Total Estimate:</b>		<b>222</b>	<b>226</b>	<b>226</b>	<b>228</b>	<b>230</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Development And Implementation Of Existing Proposals	<b>Activity ID:</b>	145
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A1U

This activity includes specific actions relating to and in support of the implementation of Central Valley Project (CVP) operations within the American River Division of the CVP. Included within this activity are mitigation responsibilities, temperature studies, remedial designs, scientific support for decision making, other actions necessary for the continued operations of the CVP, and the resources needed to respond to changes in the regulatory and institutional environments. Some outside contract support for directed studies and operational impact evaluations is expected.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

Reductions or a lack of funding will restrict the ability to carry out environmental responsibilities, impair our ability to respond to possible threats to water and power delivery capability, and restrict the development of information needed to support efficient and effective operations of the CVP.

### **Activity Authorization:**

P.L. 78-534, Flood Control Act of 1944

P.L. 81-356, American River Basin Development Act of 1949



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	30	30	32	35	36
2100	Total Travel	1	1	2	-	2
2500	Other Services	33	35	35	39	40
8126	Regional Indirect Cost	10	10	10	11	11
8128	Office Indirect Cost	8	9	9	9	9
<b>Total Federal Estimate:</b>		<b>82</b>	<b>85</b>	<b>88</b>	<b>94</b>	<b>98</b>
<b>Total Estimate:</b>		<b>82</b>	<b>85</b>	<b>88</b>	<b>94</b>	<b>98</b>





## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Water Related Resource Management	<b>Activity ID:</b>	158
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A1X

The American River Division controls the flows in the lower American River through the operations of Folsom Dam and Reservoir. New environmental concerns and additional development throughout the American River basin will require a continual review of resource management at Reclamation facilities.

This activity would include the necessary Reclamation participation in Federal NEPA compliance for implementation of water resource management activities and issues for the American River basin, as well as upper and lower American River and El Dorado County water issues, Folsom South Canal issues, and Warren Act contracts. Central California Area Office (CCAO) will serve as project manager for the activities described above. This activity provides funding to address NEPA and ESA issues associated with project operations. Activities may include monitoring and survey of aquatic resources, hydrologic modeling of project operations, and water quality monitoring and modeling.

**Explanation Change from PFY:**

**Impact(s) if Unfunded:**

There could be impacts to Reclamation's ability to efficiently deliver water and generate power. Important environmental concerns and the necessary review of resource management, water operations and emerging water issues would not be addressed and could further impair the ability of Reclamation to meet basic mission requirements.

**Activity Authorization:**



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

		Breakdown by Object Code				
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	59	59	59	60	61
2100	Total Travel	2	2	2	2	2
8126	Regional Indirect Cost	17	18	18	18	18
8128	Office Indirect Cost	16	15	15	16	16
<b>Total Federal Estimate:</b>		<b>93</b>	<b>94</b>	<b>94</b>	<b>96</b>	<b>97</b>
<b>Total Estimate:</b>		<b>93</b>	<b>94</b>	<b>94</b>	<b>96</b>	<b>97</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Water Forum	<b>Activity ID:</b>	200
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A1W

The Water Forum Successor Effort is a diverse group of business and agricultural leaders, environmentalists, citizen groups, water managers, and local governments for Sacramento, Placer, and El Dorado counties within California. These groups have entered into a formal agreement to achieve co-equal goals to provide a reliable and safe water supply for the region's economic health and planned development through the year 2030, and to preserve the fishery, wildlife, recreational, and aesthetic values of the lower American River. Although not a signatory to the agreement, Reclamation participation is the key to successful implementation of the goals and to ensure Reclamation's other obligations and goals beyond the lower American River are met as water demands on the American River increase. The Water Forum was instrumental in the development of the lower American River Flow Management Plan that established mandatory minimum flow requirements, a collaborative management team approach, and comprehensive monitoring. Reclamation is required to support staff participation on the management team and cost share the monitoring with the Water Forum and others. Other Reclamation involvement includes participation in the collaborative watershed planning efforts, execution of water service and Warren Act contracts, mitigation efforts, and interest based negotiations to ensure Reclamation obligations outside of the basin are considered. Some outside contract support for directed studies and evaluations is expected.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

With reduced or no funding, Reclamation could not address aquatic resource concerns with respect to project operations, comply with anticipated regulatory conditions, or efficiently or effectively incorporate the actions necessary to offset impacts of anticipated increase in surface water diversions by Water Forum entities. Reclamation activities would occur piecemeal and uncoordinated causing an overall additional cost to Reclamation and a reduced capability to serve its customers.

### **Activity Authorization:**

P.L. 91-190, National Environmental Policy Act of 1969, as amended.  
P.L. 93-205, Endangered Species Act of 1973  
P.L. 85-624, Fish & Wildlife Coordination Act of 1958  
P.L. 102-575, Title XXXIV, Central Valley Project Improvement Act of 1992



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

		Breakdown by Object Code				
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	28	30	30	45	47
2100	Total Travel	1	1	1	-	-
2500	Other Services	138	138	140	115	115
8126	Regional Indirect Cost	9	9	9	15	15
8128	Office Indirect Cost	9	9	9	15	15
<b>Total Federal Estimate:</b>		<b>183</b>	<b>185</b>	<b>187</b>	<b>190</b>	<b>192</b>
<b>Total Estimate:</b>		<b>183</b>	<b>185</b>	<b>187</b>	<b>190</b>	<b>192</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	American River Operations Support	<b>Activity ID:</b>	893
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A1H

Provide temperature monitoring and model studies as required in support of Folsom Dam Operations for downstream temperature control. This effort is required for the mitigation/enhancement of fisheries in the Lower American River, including Nimbus Fish Hatchery. Monitoring is required to guide operational decisions necessary to comply with Endangered Species Act (ESA) biological opinion on a resident threatened species. Also provides for the transfer funds to the United States Geological Survey (USGS) for maintenance and monitoring of stream gages on the American River, its tributaries, and in conveyance facilities to comply with water right permits and to help Reclamation meet obligations to the environment and to the water users.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

Lack of funding would adversely impact Reclamation's ability to operationally control temperatures in the Lower American River in compliance with existing biological opinions on operations. Failure to monitor and model temperature conditions could result in mandatory reductions in power generation. The maintenance and management of stream gages is necessary to provide information on water delivered to contractors, and to track the quantity of water made available to environmental resources from the American River Division. If this activity were not funded, this information would be unavailable or unreliable. Failure to fund stream gaging activities would deny Reclamation information necessary to prepare reports required by water right permits and could result in the revocation of those water rights.

### **Activity Authorization:**

P.L. 102-575, Title XXXIV, Central Valley Project Improvement Act, October 30, 1992 (106 Stat 4706)



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	60	61	61	60	67
2500	Other Services	79	77	77	81	83
8126	Regional Indirect Cost	18	19	19	18	21
8128	Office Indirect Cost	18	19	19	19	22
<b>Total Federal Estimate:</b>		<b>175</b>	<b>175</b>	<b>175</b>	<b>178</b>	<b>193</b>
<hr/>						
<b>Total Estimate:</b>		<b>175</b>	<b>175</b>	<b>175</b>	<b>178</b>	<b>193</b>

**Object Code Description:**

257Z - Contract with USGS for streamgages



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Groundwater Monitoring And Reports	<b>Activity ID:</b>	900
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	No
<b>Description of Activity:</b>		<b>Fund:</b>	A1W

Data collection and management activities for groundwater data, including data collecting and entry, quality control, uploading of data to the database and reporting. This activity also includes responding to customer requests for data and information. MP-200 provided Regional support for all groundwater data collecting and management activities.

**Explanation Change from PFY:**

Additional funding is necessary for archiving field data sheets and responding to information requests.

**Impact(s) if Unfunded:**

This information is utilized by the Technical Service Center (TSC) Instrumentation Group to evaluate uplift pressures at Nimbus Dam. If unfunded, field data would not be processed and interpreted, and assessment of the most current groundwater conditions would not be possible.

**Activity Authorization:**



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

		Breakdown by Object Code				
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	6	6	6	6	6
8126	Regional Indirect Cost	2	2	2	2	3
8128	Office Indirect Cost	3	3	3	3	3
<b>Total Federal Estimate:</b>		<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>12</b>
<b>Total Estimate:</b>		<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>12</b>





## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Hazardous Materials Program O&M, Investigation & Inspection of U	<b>Activity ID:</b>	43
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A2L

Provides funding for acceptable compliance with Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Toxic Substances Control Act (TSCA), Superfund, underground storage tanks (UST), local, state, and Federal laws. Provides funding for county business plans, chemical inventory reports and inspections. Also included is annual inspections and audits of Reclamation and contractor facilities. This budget also provides contract money for site investigations at suspected hazardous waste dumps and sites on Reclamation property. Reclamation is required to inspect 20 percent of Reclamation lands annually for hazardous waste. Includes proper handling, storage, analysis, transport and disposal of all hazardous wastes generated by the facilities of the Central California Area Office (CCAO). This budget provides funds for the development and implementation of an operation and maintenance plan to eliminate impacts to listed and sensitive species associated with operation and maintenance activities. Implement Environmental Management System (EMS) as required by Executive Order 13148 and Department Manual 515.4 to reduce the use of hazardous substances, encourage reuse of products and the recycling of various products.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

Failure to comply with CERCLA and the other listed laws may result in fines up to \$25,000 per day, per violation and imprisonment along with a potential liability to public health and safety.

### **Activity Authorization:**

Comprehensive Environmental Response, Compensation, and Liability Act (42 U.S.C. s/s 9601 et seq.)(1980)

Superfund

Clean Air Act (42 U.S.C. 7401 et seq.)(1970), as amended.

Clean Water Act (33 U.S.C. 1251 et seq.), as amended.



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	54	56	58	58	60
2100	Total Travel	10	10	10	10	10
2400	Printing and Repro	-	-	-	10	-
2500	Other Services	98	100	100	100	100
2600	Supplies & Materials	5	5	5	5	5
8126	Regional Indirect Cost	16	17	17	13	18
8128	Office Indirect Cost	16	17	17	13	18
<b>Total Federal Estimate:</b>		<b>199</b>	<b>204</b>	<b>206</b>	<b>209</b>	<b>211</b>
<b>Total Estimate:</b>		<b>199</b>	<b>204</b>	<b>206</b>	<b>209</b>	<b>211</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Resource Management	<b>Activity ID:</b>	76
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	No
<b>Description of Activity:</b>		<b>Fund:</b>	A2L

Land resources activities include Reclamation's responsibility to manage on a day-to-day basis the activities that have an impact on Reclamation project lands and waters. These include realty activities (evaluating, processing and issuing land use documents), natural resources and cultural resources management, and appropriate contracts to implement our responsibility on project lands (fire control agreements). This activity also includes land resource management liaison with local agencies including the California Department of Parks and Recreation and Forestry, US Forest Service, Bureau of Land Management, as well as a host of local counties and special districts.

### **Explanation Change from PFY:**

Increase is for fire control contracts.

### **Impact(s) if Unfunded:**

If not funded, Reclamation would not be able to function as a proper land steward which would result in miscommunication with other agencies possibly resulting in duplication of efforts or elimination of responsibilities. The end result would be the increased likelihood of public safety being jeopardized and possible environmental damage from trespasses and illegal activities.

### **Activity Authorization:**

P.L. 89-72, Federal Water Project Recreation Act

P.L. 102-575, Central Valley Project Improvement Act of 1992

The above authorizations direct Reclamation to manage its resources. Further, these are contractual arrangements and fall under contract administration.



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	285	290	290	294	295
2100	Total Travel	5	5	5	5	5
2400	Printing and Repro	1	1	1	1	2
2500	Other Services	304	304	304	310	310
2600	Supplies & Materials	2	2	2	-	-
8126	Regional Indirect Cost	86	87	87	88	88
8128	Office Indirect Cost	86	87	87	81	81
<b>Total Federal Estimate:</b>		<b>767</b>	<b>775</b>	<b>775</b>	<b>779</b>	<b>781</b>
<b>Total Estimate:</b>		<b>767</b>	<b>775</b>	<b>775</b>	<b>779</b>	<b>781</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Concession Management & Support for Managing Partners	<b>Activity ID:</b>	78
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	No
<b>Description of Activity:</b>		<b>Fund:</b>	A2R

This work includes oversight of the recreation and concession program for the American River Division. It includes the coordination of recreation program with our managing partners, contract oversight and concession management with our managing partners, and implementation of annual reviews and reports required by Reclamation Directives and Standards and region-wide support for the recreation program.

This activity plan allows us to monitor our managing partners' progress in following the terms of their contract, insuring compliance with regional goals and objectives associated with recreation, and resource management.

This activity plan will allow us to implement the new Reclamation Manual / Directives and Standards LND 04-01. This manual directs Reclamation to insure that concession operations meet minimum federal standards and directs us to more intensively manage our own concessions. It directs that all existing concession contracts be brought into compliance at the first legal opportunity. It identifies types of facilities and services that could be offered and those that will be phased out.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

If not funded, Reclamation would not be able to function as a proper land steward which would result in miscommunication with other agencies possibly resulting in duplication of efforts or elimination of responsibilities. The end result would be the increased likelihood of public safety being jeopardized and possible environmental damage from trespasses and illegal activities.

### **Activity Authorization:**

P.L. 78-534, Flood Control Act 1944

P.L. 81-356, American River Basin Development Act of 1949

P.L. 89-72, Federal Water Project Recreation Act

P.L. 102-575, Central Valley Project Improvement Act of 1992



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	68	69	69	75	77
2100	Total Travel	5	5	5	4	2
2400	Printing and Repro	1	1	1	-	-
2500	Other Services	1	2	2	-	-
2600	Supplies & Materials	1	1	1	-	-
8126	Regional Indirect Cost	20	21	21	22	23
8128	Office Indirect Cost	20	21	21	20	20
<b>Total Federal Estimate:</b>		<b>115</b>	<b>118</b>	<b>118</b>	<b>121</b>	<b>122</b>
<b>Total Estimate:</b>		<b>115</b>	<b>118</b>	<b>118</b>	<b>121</b>	<b>122</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Resource Management Plans - Development & Monitoring	<b>Activity ID:</b>	1102
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	No
<b>Description of Activity:</b>		<b>Fund:</b>	A2L

Reclamation will develop, and update Resource Management Plans (RMP) for all land under its jurisdiction in the Central California Area Office (CCAO). RMPs are intended to act as a guide to Reclamation and managing partners as to how to manage the resources of a particular project. The development and content of RMP are identified under Reclamations Directives and Standards. Projects include Folsom and Lake Natoma, Nimbus Fish Hatchery, Gold River Resource Area and the Folsom South Canal.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

Agency will not be able to fulfill its mission as a proper land steward for the Federal estate that has been entrusted with. Reclamation will be in a reactionary mode when it comes to requests for land use or other recreation/resource issues, and be subject to multiple, quick decisions without a clear path to follow as set forth in a RMP.

### **Activity Authorization:**

P.L. 89-72 (79 STAT. 213, 214) as amended by P.L. 102-575 (106 STAT. 4690, Title 28)



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

		Breakdown by Object Code				
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	16	16	16	21	22
2100	Total Travel	5	5	5	7	7
2500	Other Services	-	-	-	400	-
8126	Regional Indirect Cost	5	5	5	7	7
8128	Office Indirect Cost	5	5	5	7	7
<b>Total Federal Estimate:</b>		<b>30</b>	<b>30</b>	<b>30</b>	<b>441</b>	<b>43</b>
<b>Total Estimate:</b>		<b>30</b>	<b>30</b>	<b>30</b>	<b>441</b>	<b>43</b>





## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Endangered Species Act Compliance	<b>Activity ID:</b>	241
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A3H

Reclamation is required to evaluate the potential effects of its actions on threatened and endangered species, and those proposed to be listed as threatened or endangered. If a finding is made that a species may be affected by the action, Reclamation must consult with the Fish and Wildlife Service or the National Marine Fisheries Service regarding the potential effects. This activity includes the evaluation, study, consultation, reporting, and compliance with biological opinions as they relate to on-going Reclamation operations. Examples of activities supported include executing temporary water service and Warren Act contracts and out grants; water marketing actions, inclusions, minor changes in project operations; maintenance; minor construction; and compliance with existing biological opinions on project operations. Funding will be used to support staff activities and contracting support to conduct field studies and prepare biological assessments.

**Explanation Change from PFY:**

**Impact(s) if Unfunded:**

If not fully funded, Reclamation's on-going activities will be delayed or prohibited because the agency would otherwise not be in compliance with the Endangered Species Act. This could result in not achieving water deliveries, loss of power production, and the inability to effectively manage Reclamation lands.

**Activity Authorization:**

Endangered Species Act of 1973, as amended.



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

		Breakdown by Object Code				
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	34	36	38	40	41
2100	Total Travel	1	2	2	1	1
2500	Other Services	40	40	40	40	43
8126	Regional Indirect Cost	10	11	11	10	10
8128	Office Indirect Cost	10	10	10	10	10
<b>Total Federal Estimate:</b>		<b>95</b>	<b>99</b>	<b>101</b>	<b>101</b>	<b>105</b>
<b>Total Estimate:</b>		<b>95</b>	<b>99</b>	<b>101</b>	<b>101</b>	<b>105</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Folsom Dam Penstock Temperature Control Device	<b>Activity ID:</b>	971
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	No
<b>Description of Activity:</b>		<b>Fund:</b>	A3F

Reclamation has legal requirements to meet temperature requirements downstream of Folsom Dam for steelhead and salmon. There is an existing temperature control device (TCD) on the three Folsom Dam power penstocks to control temperature of the water being released through the penstocks. However, the TCD does not allow access to 50,000 ac-ft of cold water at the bottom of the reservoir. Approximately 25,000 ac-ft of this cold water can be accessed by bypassing power. This operation occurs most years and results in a significant power generation and revenue loss. The remaining 25,000 ac-ft of cold-water can not be accessed at all with any of the existing outlets.

The Corps of Engineers received Congressional authorization to upgrade and automate the existing TCD on the three Folsom Dam power penstocks. This will greatly improve the operation. However, it does not solve the access problem to the 50,000 ac-ft cold water pool.

While the TCD is being upgraded, an "elephant trunk" (low level conduit) can be incorporated into the design of the TCD on one of the penstocks to be able to tap this cold-water pool. In order to do this, Reclamation will need to do the work at the same time as the Corps to be able to incorporate this feature into their design. Currently the Corps is proceeding on the following schedule:

Basis of Design June 2007 - June 2009  
Plans and Specs June 2009 - May 2010  
Contract Procurement May 2010 - April 2011  
Construction April 2011 - June 2012

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

If unfunded, Reclamation will continue to have to bypass power to reach part of the cold-water pool, and will still struggle to meet its legal temperature requirements for the downstream fisheries. At some point, Reclamation will be forced to construct some type of "elephant trunk" to access the lowest cold-water pool not currently accessible. If not incorporated with the Corps construction, at that point, the TCD would have to be completely reconstructed at a significantly higher cost. Also, the \$500,000 from the City of Sacramento and the \$2 million from the Sacramento Area Flood Control Agency (SAFCA) currently available may not be available in the future.

### **Activity Authorization:**

P.L. 102-575, Central Valley Project Improvement Act of 1992  
Reclamation Act of 1902  
P.L. 78-534, Flood Control Act of 1944



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	505	205	-	74	-
2500	Other Services	3,300	1,000	-	-	-
253Q	PF-75 Denver	-	-	-	93	-
8126	Regional Indirect Cost	142	62	-	22	-
8128	Office Indirect Cost	121	61	-	21	-
<b>Total Federal Estimate:</b>		<b>4,068</b>	<b>1,328</b>	<b>-</b>	<b>210</b>	<b>-</b>
<b>Total Estimate:</b>		<b>4,068</b>	<b>1,328</b>	<b>-</b>	<b>210</b>	<b>-</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Nimbus Dam Operations & Maintenance	<b>Activity ID:</b>	64
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A4M

Nimbus Dam Maintenance - This activity is for the scheduled preventive maintenance, corrective maintenance, breakdown repair and security of the dam structure and equipment. This activity is required for minimal maintenance of the facility. Provides for supervisory, engineering, and administrative support. This work is performed by Communication and Instrumentation Mechanics, Power System Electricians, Plant Mechanics, Painters, Maintenance Workers, Engineers, and other personnel from the Area Office (AO), Regional Office, Technical Service Center (TSC) or contract maintenance support. The water conveyance equipment includes eighteen radial gates. The structure includes the dam, spillways, instrumentation and monitoring systems, emergency generator, and lighting. It does not include large repairs that would need to be covered by emergency funds.

Nimbus Dam Operation - Nimbus Dam and Lake Natoma are used to regulate the flows in the lower American River. It is necessary to make changes through the dam and powerplant to properly operate the system as a part of the Central Valley Project (CVP). Flows are regulated through the dam to meet downstream user demands, temperature control and fish flows. Nimbus Dam is also the headworks for the water supply to the Nimbus Fish Hatchery and Folsom South Canal.

Nimbus Dam Facility Exams - The Review/Examination Program for High and Significant Hazard Dams requires a Periodic Facility Review to be done every 6 years by the Regional Office and a Comprehensive Facility Review is to be done every 6 years by the TSC. These 2 exams are to be alternated every 3 years. An annual dam inspection is to be done by the AO. There may also be special examinations during the year which will be either performed by or coordinated and attended by AO personnel. Recommendations are made from these examinations that often require the AO to spend time and materials to complete. AO personnel are required to assist in all of the inspections and often will be required to operate equipment for the examination team. This work is coordinated by the AO. The Region Office and the TSC have their own funding for this work.

Nimbus Dam Instrumentation - Design & Construction Division, Field Operations Branch (MP-220) reads collimation and level points quarterly as required by the L-23 for Nimbus Dam. Instrumentation at the TSC requires these readings as part of the Safety of Dams Program. The AO reviews information and coordinates repairs or modifications to equipment.

Nimbus Dam Standard Operating Procedures (SOP) - SOPs are prepared to establish the complete, accurate, current and structure-oriented operating instructions for each dam and reservoir and its related structures. (Emergency Action Plans (EAP) are developed to provide a range of expected response actions that Reclamation organizations and personnel can use to handle a wide variety of emergency situations. The EAP portion will be budgeted at Regional level.) Both the SOPs and EAPs need to be continually reviewed and updated to stay current and reliable.

Nimbus Dam Emergency Management - Emergency management planning to support the requirements of Reclamation Manual FAC-P01. This supports the development, maintenance and functional testing of our EAP.

Nimbus Dam Flood Control - During flood conditions, river releases have to be constantly changed to meet CVO schedules so that flows are coordinated properly. This requires personnel to be on duty around the clock to handle making changes in releases and checking the dam structurally and reporting back to CVO.

Facility RAX activities are shown under separate plans.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

This activity will provide minimal reliability. Funding of this activity is required to maintain flood control safety for the public, ensure minimal security and to maintain in stream flows for sustaining fish and wildlife.

In addition, if the equipment is maintained in a breakdown maintenance mode, damage can be greater due to component failure which will make the cost of repair much greater and take longer to repair.

### **Activity Authorization:**

P.L. 81-356, American River Basin Development Act of 1949



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	195	197	205	216	221
2100	Total Travel	1	1	1	1	1
2500	Other Services	9	10	10	10	10
2600	Supplies & Materials	9	9	9	9	9
3100	Equipment	14	14	14	14	14
8000	Allots, Advncmnts,& Other Credits	1	1	1	1	1
8126	Regional Indirect Cost	59	59	59	64	65
8128	Office Indirect Cost	59	59	59	51	52
<b>Total Federal Estimate:</b>		<b>345</b>	<b>350</b>	<b>358</b>	<b>366</b>	<b>373</b>
<b>Total Estimate:</b>		<b>345</b>	<b>350</b>	<b>358</b>	<b>366</b>	<b>373</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Folsom Pumping Plant/Pipeline O&M	<b>Activity ID:</b>	66
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A4N

Folsom Pumping Plant/Pipeline Maintenance - This activity is for the scheduled preventive maintenance, corrective maintenance and breakdown repair of the pumping plant structure, pipeline and equipment. This activity is required for the minimal maintenance of the facility. Provides supervisory, engineering, and administrative support. This work is performed by Communication and Instrumentation Mechanics, Power System Electricians, Plant Mechanics, Painters, Maintenance Workers, Engineers, and other personnel from the area office. The equipment includes two 1500 HP variable speed pumps, one 700 HP pump, one 600 HP pump, two 400 HP pumps, and one 250 HP pump with motors and motor controls, control, annunciation, metering and indication, and auxiliary systems which include, station service, piping, valves, and bridge crane. The structure includes the concrete building, domestic water system, sewage system, lighting, HVAC system, security system, and drainage system. External to the structure is the dam intake structure, piping and valves that make up the Northfork and Natoma pipelines, and the 700 HP emergency pump, motor, controls, valves, piping, building and stand pipe. This does not include large repairs that would need to be covered by emergency funding.

Folsom Pumping Plant Operation - Operate the pumping plant to supply domestic and/or irrigation water to San Juan Water District, City of Roseville, Folsom Prison and the City of Folsom. Folsom Lake is the primary water supply to all of the above proprietors. Demands for water deliveries have increased to a point that outage time greater than a few hours becomes a problem. Operations is needed 24 hours/day, 365 days/year to ensure operational reliability. Operators start/stop and control deliveries to the water contractors. In addition to CVP contract water, Warren Act contracts add an additional operational necessity to the facility.

Facility RAX activities are shown under separate plans.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

This funding will provide minimal reliability. A non-operational pumping unit could cause the inability to meet water contract requirements which could affect the safety and health of the public.

In addition, if the equipment is maintained in a breakdown maintenance mode, damage can be greater due to component failure which will make the cost of repair much greater.

### **Activity Authorization:**

P.L. 81-356, American River Basin Development Act of 1949



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	525	541	541	575	590
2500	Other Services	57	57	57	60	60
2600	Supplies & Materials	13	13	13	13	15
3100	Equipment	20	20	20	20	20
8126	Regional Indirect Cost	155	162	162	165	175
8128	Office Indirect Cost	155	162	162	140	142
<b>Total Federal Estimate:</b>		<b>925</b>	<b>955</b>	<b>955</b>	<b>973</b>	<b>1,002</b>
<b>Total Estimate:</b>		<b>925</b>	<b>955</b>	<b>955</b>	<b>973</b>	<b>1,002</b>





## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Nimbus Fish Hatch Management/Food	<b>Activity ID:</b>	85
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	No
<b>Description of Activity:</b>		<b>Fund:</b>	A4G

The Nimbus Fish Hatchery (hatchery) is a mitigation feature of the American River Project. Reclamation has a contract with the State of California for operation and routine maintenance of the hatchery. This activity includes the cost of contracted services, fish food, program management and oversight, and additional maintenance and repair by Reclamation staff.

**Explanation Change from PFY:**

Additional funds are requested to support the marking of all fish produced in the hatchery. This effort was initiated in 2007 and it is anticipated that Reclamation will become responsible for the costs of the program in 2010 as directed in ESA consultations on hatchery operations. Increased pressure from regulatory agencies has occurred as a result of the significant declines in salmon populations.

**Impact(s) if Unfunded:**

If the work is not done, Reclamation will not fulfill its mitigation responsibility which would result in lawsuits causing Reclamation to incur additional expenses, public scrutiny, and possible limits on operational flexibility that could result in reductions in the ability to meet core mission goals of water delivery and power production.

**Activity Authorization:**

Flood Control Act 1949

P.L. 81-356, American River Basin Development Act



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	171	171	178	183	189
2500	Other Services	2,381	2,470	2,545	2,625	2,703
2600	Supplies & Materials	-	-	-	250	-
3100	Equipment	245	245	245	-	255
8126	Regional Indirect Cost	51	51	53	55	57
8128	Office Indirect Cost	51	51	43	45	47
<b>Total Federal Estimate:</b>		<b>2,899</b>	<b>2,988</b>	<b>3,064</b>	<b>3,158</b>	<b>3,251</b>
<b>Total Estimate:</b>		<b>2,899</b>	<b>2,988</b>	<b>3,064</b>	<b>3,158</b>	<b>3,251</b>

**Object Code Description:**

O&M contract with DFG, fish food



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Public Information, Education And Outreach	<b>Activity ID:</b>	92
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	No
<b>Description of Activity:</b>		<b>Fund:</b>	A4J

The lead for the tour program and public relations liaison to verbal and written inquiries from the public, special interests groups and governmental bodies regarding Reclamation's mission, programs and policies. Researches and develops informational and interpretive materials. Provides educational and conservation awareness presentations to schools, groups and the general public. Works with other public and private agencies to provide outreach programs promoting the mission and positive image of Reclamation. Provides water conservation methods to the public.

### Explanation Change from PFY:

### Impact(s) if Unfunded:

Agency relinquishes its ability to reach and educate thousands of annual visitors and inquirers. No highly visible place for schools or public to learn about water conservation, uses of Folsom Dam and mission of Reclamation. Loss in public awareness of Reclamation and its mission.

### Activity Authorization:

Flood Control Act 1949  
P.L. 81-356, American River Basin Development Act



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	205	212	218	225	232
2100	Total Travel	6	6	6	7	7
2400	Printing and Repro	12	12	13	13	13
2500	Other Services	5	6	6	7	8
2600	Supplies & Materials	5	6	6	7	7
3100	Equipment	4	4	4	-	7
8126	Regional Indirect Cost	61	63	65	67	70
8128	Office Indirect Cost	50	51	53	55	56
<b>Total Federal Estimate:</b>		<b>348</b>	<b>360</b>	<b>371</b>	<b>381</b>	<b>400</b>
<b>Total Estimate:</b>		<b>348</b>	<b>360</b>	<b>371</b>	<b>381</b>	<b>400</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Folsom Area Buildings, Grounds & Roads Maintenance	<b>Activity ID:</b>	104
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A4M

Maintenance is required to perform repairs, modifications, improvements and additions to the facilities, roads, gates, and fences. Roads and parking lots need pavement repaired, dirt access roads need to be regraded, ditches and drainage need to be cleaned out, gates and fences need to be repaired or replaced and facilities need to be painted. The grounds need weed spraying, mowing, tree trimming, and pest control to keep facilities from deteriorating, becoming safety hazards or a security problem. Grounds include overhead and underground utilities, leach fields, which need periodic maintenance. Building needs heating, ventilating, and air conditioning maintenance, paint, roof repairs, lighting maintenance and janitorial services. Grounds include over 20 buildings, several miles of fencing, American River Water Education Center, State Parks maintenance yard, warehouses, security fences and gates, guard stations, storage yards, maintenance shops, engineering building, and the Area Office administration building. Approximately 150 people are stationed within the compound.

**Explanation Change from PFY:**

**Impact(s) if Unfunded:**

The buildings and grounds will deteriorate and leave a poor impression for the public that frequent the facilities. Deterioration of the maintenance shops would negatively impact the delivery of power and water.

**Activity Authorization:**

P.L. 81-356, American River Basin Development Act of 1949



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	598	615	650	645	655
2100	Total Travel	2	2	2	2	2
2500	Other Services	36	37	45	41	45
2600	Supplies & Materials	39	41	46	46	51
3100	Equipment	10	10	10	15	15
8126	Regional Indirect Cost	180	185	195	194	197
8128	Office Indirect Cost	180	185	157	156	158
<b>Total Federal Estimate:</b>		<b>1,045</b>	<b>1,075</b>	<b>1,105</b>	<b>1,099</b>	<b>1,123</b>
<b>Total Estimate:</b>		<b>1,045</b>	<b>1,075</b>	<b>1,105</b>	<b>1,099</b>	<b>1,123</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Folsom South Canal Operations & Maintenance	<b>Activity ID:</b>	105
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A4M

Folsom South Canal Maintenance - The Folsom South Canal requires repair of property gates & fences, roads, canal liner, painting of signs & equipment, maintenance & repair of canal gates & siphons, removal of debris from both the canal & right-away, and control of vegetation and pests. The canal is 26.8 miles in length and traverses the east end of the central valley. Urban development continues to increase along the canal and has significant impacts to maintenance capabilities and to public safety. Reclamation has permanent water contracts on the canal that require the canal to be in good operational condition to deliver water.

Folsom South Canal Operation - Operate the Folsom South Canal in a manner that continues to provide a reliable water supply for cities and other users on the canal. Reclamation has water contracts that it is obligated to fulfill.

Folsom South Canal Standard Operating Procedures (SOP) are prepared to establish the complete, accurate, current and structure-oriented operating instructions. The Folsom South Canal has a brief preliminary Designer's Operating Criteria but should have an SOP that discusses all the operating procedures for the canal along with other pertinent facts on the features of canal.

Folsom South Canal Facility Exams - The Minor Facility Exam (Class C) for Folsom South Canal is done entirely by Central California Area Office (CCAO). The examination requires one day to inspect the canal and facilities and another three days to complete the report. The exams are scheduled by the area office approximately every 3 years.

**Explanation Change from PFY:**

Increase to cover increased maintenance and monitoring related to Safety of Canal concerns.

**Impact(s) if Unfunded:**

If not fully funded, water deliveries will not be assured. People, especially children, could drown in the canal if we do not maintain our fences.

**Activity Authorization:**

The Folsom South Canal is a component of the Auburn-Folsom South Unit which was authorized in 1965 by P.L. 89-161, Fish & Wildlife Coordination Act.



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	283	262	280	295	305
2100	Total Travel	5	5	5	5	5
2200	Total Transportation	5	5	5	5	5
2500	Other Services	2	3	3	10	10
2600	Supplies & Materials	12	12	12	12	13
3100	Equipment	1	1	5	5	5
8126	Regional Indirect Cost	85	80	84	86	87
8128	Office Indirect Cost	83	80	67	68	70
<b>Total Federal Estimate:</b>		<b>476</b>	<b>448</b>	<b>461</b>	<b>486</b>	<b>500</b>
<b>Total Estimate:</b>		<b>476</b>	<b>448</b>	<b>461</b>	<b>486</b>	<b>500</b>





## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Folsom Garage	<b>Activity ID:</b>	183
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A4Q

The Folsom Garage maintains a fleet of over 100 individual vehicles and heavy and light equipment assigned to Folsom. The garage staff performs in-shop preventive and emergency maintenance on all assigned equipment as well as emergency road service and equipment maintenance. The garage performs acceptance inspections on all new vehicles and equipment and verifies satisfactory warranty maintenance performed by others. The garage also performs repairs to lawn and garden equipment that is beyond the scope of the user. The garage wash rack facility utilizes a water recycler system that recycles all wash water and separates grease and oil. The garage actively supports recycling wherever possible and was recently recognized by the Environmental Protection Agency (EPA) as a leading user of recycled products. The garage occasionally supports the New Melones and Berryessa facilities with emergency repairs and some scheduled maintenance on a space available basis.

### Explanation Change from PFY:

### Impact(s) if Unfunded:

Failure to fund this activity would negatively impact the delivery of power and water. The service trucks used by plant maintenance staff are necessary to perform periodic maintenance and to respond to emergencies. The heavy equipment is used to maintain the roads, structures, and grounds, including pipeline right of way and the Folsom South Canal. The weed spray rig is used to control invasive and destructive vegetation on and near power and water structures. The cranes, boom truck and man lifts are used for power and water facility maintenance and require periodic maintenance to maintain their safety certification. The fixed emergency generators are used as backup power for the Folsom and Nimbus power plants and the Folsom pumping plant. The lighting units provide security lighting. The tour trams and tractor are used by the public. The boats are used for maintenance of the buoy line in front of both Folsom and Nimbus dams and are used to transport maintenance crews to the face of the dam. The various trailers are used for their specific purposes such as lubing the radial gates and hoist boxes, and providing portable toilet facilities in the field. The lack of an emergency field repair capability would cause periodic work stoppages when equipment needs service in the field. Insufficient funding would reduce the availability of some or all of this equipment with the associated negative impact to the delivery of power and water.

### Activity Authorization:

Reclamation Act of 1902

Reclamation Projects Act of 1939

P.L. 78-534, Flood Control Act of 1944

P.L. 81-356, American River Basin Development Act of 1949 P.L. 91-190, National Environmental Protection Act of 1969

P.L. 102-575, Central Valley Project Improvement Act of 1992



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	180	190	200	215	225
2100	Total Travel	6	7	7	7	7
2200	Total Transportation	6	7	7	7	7
2500	Other Services	55	60	65	65	65
2600	Supplies & Materials	160	160	165	165	165
8126	Regional Indirect Cost	55	57	60	66	60
8128	Office Indirect Cost	38	40	44	53	53
<b>Total Federal Estimate:</b>		<b>500</b>	<b>521</b>	<b>548</b>	<b>578</b>	<b>582</b>
<b>Total Estimate:</b>		<b>500</b>	<b>521</b>	<b>548</b>	<b>578</b>	<b>582</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Telecom & Computer Services - CCAO	<b>Activity ID:</b>	236
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A4Q

Provide support services and contract services for Central California Area Office (CCAO) computer information services including CARMA (Maximo), FPPS, IDEAS, equipment, and programs for interaction with LAN/WAN activities. Provides support and contract services for telecommunication between CCAO, Denver, Region & other sites.

**Explanation Change from PFY:**

**Impact(s) if Unfunded:**

If program is not maintained to minimum levels of service, incompatibility of programs and degradation or loss of communications will adversely affect the efficiency of the operation and maintenance programs of the Reclamation facilities and severe downtime may affect operations. The requirement of these programs are mandated by higher Reclamation levels.

**Activity Authorization:**



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	118	122	122	175	175
2300	Rent Comm & Util	-	-	-	20	-
2500	Other Services	225	225	225	140	160
2600	Supplies & Materials	10	12	12	10	12
3100	Equipment	58	63	63	70	70
8126	Regional Indirect Cost	36	37	37	53	50
8128	Office Indirect Cost	36	37	37	41	40
<b>Total Federal Estimate:</b>		<b>483</b>	<b>495</b>	<b>495</b>	<b>509</b>	<b>507</b>
<b>Total Estimate:</b>		<b>483</b>	<b>495</b>	<b>495</b>	<b>509</b>	<b>507</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Folsom Dam Operations & Maintenance	<b>Activity ID:</b>	863
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A4M

Folsom Flood Control Operation - During flood events, dam operators are required to be on site at Folsom Dam to make gate changes and inspect the facilities. Larger events require additional people to continually inspect the dams & dikes.

Folsom Dam Maintenance - This activity is for the scheduled preventive maintenance, corrective maintenance and breakdown repair of the dam structure and equipment. This activity is required for the minimal maintenance of the facility. Provides for supervisory, engineering, and administrative support. This work is performed by Communication and Instrumentation Mechanics, Power System Electricians, Plant Mechanics, Painters, Maintenance Workers, Engineers, and other personnel from the Area Office (AO). The water conveyance equipment includes eight (8) radial gates and eight (8) river outlet sluice gates. The structure includes the dam, dikes, instrumentation and monitoring systems, spillway, tower, compressed air system, drainage system, elevator, gantry crane, station service, emergency generator, and lighting. It does not include large repairs that would need to be covered by emergency funds.

Folsom Dam Operation - Operators are required to operate the spillway gates and outlet works to bypass water for flood control or other downstream water requirements that can't be met through the powerplant. They operate the dam to supply water for Reclamation's water customers. Operators monitor the dam and are responsible to assure that nothing happens to adversely affect water releases to customers and downstream entities. Operators are responsible for exercising gates and providing clearances so that repairs and maintenance can be performed on equipment at the dam. CCAO personnel also coordinate with CVO, U.S. Fish & Wildlife Service and the California Department of Fish & Game regarding establishing lower American River flows and the operation of Folsom Dam temperature shutters. Temperature monitoring of Folsom Reservoir and the lower American River is done to help manage the cold water pool in the Reservoir along with operation of the temperature shutters on the Folsom Dam Penstocks.

Folsom Dams & Dikes Facility Exams - The Review/Examination Program for High and Significant Hazard Dams requires a Periodic Facility Review to be done every 6 years by the Regional Office and a Comprehensive Facility Review is to be done every 6 years by the Technical Service Center (TSC). These 2 exams are to be alternated every 3 years. Every year is to have an annual dam inspection done by the AO. There may also be special examinations during the year which will either be performed by or coordinated and attended by AO personnel. Recommendations are made from these examinations that often require the AO to spend time and materials to complete. AO personnel are required to assist in the inspections and often will be required to operate equipment for the examination team. This work is coordinated by the AO. Region and the TSC have their own funding for this work. The 2000 Folsom Dam CFR now requires that monthly visual inspection checklists to be done on the Folsom Dam and auxiliary structures.

Folsom Dams & Dikes Instrumentation - MP-220 read the concrete measurement points (horizontal and vertical deflections) on the concrete dam annually in May or June. The 2000 CFR changes this reading schedule of the concrete structural points to monthly. MP-220 reads the embankment measurement points (horizontal and vertical deflections) on Mormon Island Auxiliary Dam (MIAD) in 1997 and then reads every 6 years. CCAO reads the piezometers, joint meters and drainage flows in the concrete dam twice a year to verify automated data. CCAO also reads the piezometers and observation wells at MIAD twice a year to verify automated data. Seepage weirs on dikes 5 & 6, left & right wing dams, and MIAD are read monthly by CCAO along with 6 observation wells in the wetlands at MIAD. The 2000 Folsom Dam CFR calls for additional embankment measurement points to be installed on the wing dams to be read every 6 years.

Folsom Dam Standard Operating Procedures (SOP) - SOPs are prepared to establish the complete, accurate, current and structure-oriented operating instructions for each dam and reservoir and its related structures. (Emergency Action Plans (EAPs) are developed to provide a range of expected response actions that Reclamation organizations and personnel can use to handle a wide variety of emergency situations. The EAP portion will be budgeted at Regional Level.) Both the SOPs and EAPs need to be continually reviewed and updated to stay current and reliable.

Folsom Dam Emergency Management - Emergency management planning to support the requirements of Reclamation Manual FAC-P01. This supports the development, maintenance and functional testing of our EAP.

Facility RAX activities are shown under separate plans.



---

**Explanation Change from PFY:****Impact(s) if Unfunded:**

This activity will provide minimal reliability. Funding of this activity is required to maintain flood control safety for the public and to maintain in stream flows for sustaining fish and wildlife.

In addition, if the equipment is maintained in a breakdown maintenance mode, damage can be greater due to component failure which will make the cost of repair much greater and take longer.

**Activity Authorization:**

P.L. 81-356, American River Basin Development Act of 1949



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	548	564	605	620	630
2500	Other Services	30	30	30	32	35
2600	Supplies & Materials	30	30	30	30	30
3100	Equipment	39	39	40	40	40
8126	Regional Indirect Cost	164	169	183	186	188
8128	Office Indirect Cost	164	169	147	150	153
<b>Total Federal Estimate:</b>		<b>975</b>	<b>1,001</b>	<b>1,035</b>	<b>1,058</b>	<b>1,076</b>
<b>Total Estimate:</b>		<b>975</b>	<b>1,001</b>	<b>1,035</b>	<b>1,058</b>	<b>1,076</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Folsom - Safety	<b>Activity ID:</b>	886
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A4T

Funding required to maintain an active and comprehensive safety & health program. Funding is used to maintain subscriptions and membership with professional associations such as the National Fire Protection Association, National Water Safety Congress, Association Society of Safety Professionals, and etc. Funding is used to accomplish exposure monitoring and laboratory analysis of sampling media. Funding is used to arrange for special and specific safety and health speakers and training sessions to meet program goals and annual action plan objectives. Funding is used to purchase training and awareness and promotional materials, reproduction, etc. Funding may be used to establish an IDIQ contract to accomplish physical site condition improvements that do not receive high priority through the MAXIMO work order system.

**Explanation Change from PFY:**

Fy11 request reflects actual needs.

**Impact(s) if Unfunded:**

If unfunded, inadequate Safety & Health Program will be afforded Reclamation employees, visitors, and assets.

**Activity Authorization:**

P.L. 91-596, Occupational Safety and Health Act of 1970; Executive Order 12196, Occupational Safety and Health Programs for Federal Employees; Title 29, Code of Federal Regulations, Part 1960; Department of Interior Safety and Health Handbook, 485 DM; Reclamation Manual, SAF-P01, Occupational Safety and Health Program.





## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	10	10	10	28	11
2400	Printing and Repro	2	2	2	2	2
2500	Other Services	30	33	35	15	37
3100	Equipment	15	15	16	10	16
8126	Regional Indirect Cost	3	3	3	8	4
8128	Office Indirect Cost	2	2	2	8	3
<b>Total Federal Estimate:</b>		<b>62</b>	<b>65</b>	<b>68</b>	<b>71</b>	<b>73</b>
<b>Total Estimate:</b>		<b>62</b>	<b>65</b>	<b>68</b>	<b>71</b>	<b>73</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Folsom - Security	<b>Activity ID:</b>	986
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	No
<b>Description of Activity:</b>		<b>Fund:</b>	A40

To provide comprehensive security protection for the Folsom Dam complex. Activities include operation and maintenance of an installed hardened security features such as the VEB, sheriff's building, integrated electronic security system including vehicle barriers, alarms, video cameras and gates as well as the Area Office share of training, equipping, and maintaining an armed security response force which meets national standards.

**Explanation Change from PFY:**

Increase for O&M costs associated with installed security systems/features such as VEB, sheriff's building, pipe gates, etc, and CCAO share of guard force staffing costs.

**Impact(s) if Unfunded:**

Critical infrastructure will not be protected against terrorist attack as required by DOI Policy.

**Activity Authorization:**

P.L. 107-69, Reclamation, Recreation Management Act of 1992

Homeland Security Presidential Directive 7, December 2003

444 DM 2, National Critical Infrastructure and Key Resource Security



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	10	12	15	15	15
2500	Other Services	690	700	710	715	730
3100	Equipment	80	80	80	80	80
8126	Regional Indirect Cost	3	3	4	5	5
8128	Office Indirect Cost	2	2	3	4	4
<b>Total Federal Estimate:</b>		<b>785</b>	<b>797</b>	<b>812</b>	<b>819</b>	<b>834</b>
<b>Total Estimate:</b>		<b>785</b>	<b>797</b>	<b>812</b>	<b>819</b>	<b>834</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Hydrilla Detection & Eradication Project	<b>Activity ID:</b>	1000
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	No
<b>Description of Activity:</b>		<b>Fund:</b>	A4N

Hydrilla verticillata (hydrilla) is one of several aquatic nuisance species that adversely affects water quality and deliverability if allowed to become established in water conveyance systems. Hydrilla and other aquatic nuisance species, such as parrot feather, Eurasian milfoil, and water hyacinth, grow into dense mats in or above the water column and impede water flow and light transmission. This results in loss of essential native vegetation, destruction of fish and wildlife habitats, degradation of water quality, alteration in fish predator-prey relationships, and a decrease in dissolved oxygen concentration that can lead to massive fish kills.

Dense infestations of aquatic nuisance species prevent the use of water systems for industrial, agricultural, domestic, and recreational purposes by clogging rivers, streams, canals, ditches, and intakes, reducing their capacity and preventing the timely delivery of water to customers.

This activity is to protect Reclamation's water storage and conveyance systems by detecting, controlling, and eradicating hydrilla and other aquatic nuisance species.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

Without a project to detect and eradicate pernicious aquatic weeds, environmental damage would occur, and Reclamation's ability to deliver water and meet contracts would be impeded. The result could be substantial economic loss.

### **Activity Authorization:**

P.L. 106-224, Plant Protection Act

P.L. 108-412, Noxious Weed Control and Eradication Act



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
2500	Other Services	31	31	31	31	31
	<b>Total Federal Estimate:</b>	<b>31</b>	<b>31</b>	<b>31</b>	<b>31</b>	<b>31</b>
N/F	Non-Federal Cost Share	1,338	1,338	1,338	1,338	1,338
	<b>Total Non-Federal Cost Share:</b>	<b>1,338</b>	<b>1,338</b>	<b>1,338</b>	<b>1,338</b>	<b>1,338</b>
	<b>Total Estimate:</b>	<b>1,369</b>	<b>1,369</b>	<b>1,369</b>	<b>1,369</b>	<b>1,369</b>

**Object Code Description:**

2500: 1 service contract



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Accessibility Corrective Maintenance	<b>Activity ID:</b>	738
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>	<b>Fund:</b> A5M		

Minimal facility retrofits to meet Federal accessibility standards, includes retrofitting restrooms, installing disabled parking, and providing accessible work areas. May include retrofits to public recreation areas managed by California State Parks.

**Explanation Change from PFY:**

**Impact(s) if Unfunded:**

There will be risk of legal challenge. Would further delay accomplishment of goals set by the President, Secretary of Interior and Commissioner that all USBR retrofits were to be completed by 2010.

**Activity Authorization:**

Architectural Act and Rehabilitation Act



# FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
2500	Other Services	300	300	300	500	500
Total Federal Estimate:		300	300	300	500	500
Total Estimate:		300	300	300	500	500



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Folsom Dam - Support In Conjunction With Corps Of Engineer's Mod	<b>Activity ID:</b>	1100
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	A50

Congress has authorized the U.S. Army Corps of Engineers through P.L. 104-303, P.L. 106-53, P.L. 108-137 and others to implement a number of physical and operational modifications to Folsom Dam and reservoir. The Corps has several projects that will make physical modifications to Reclamation facilities at Folsom Dam. These include Folsom Dam Joint Federal Project, Folsom Dam Mini-Raise, Folsom Dam Permanent Bridge, Folsom Dam Penstock Shutter Modifications, and the Folsom Dam Redundant Water Supply Intake. The Corps also has several projects that will modify the way Folsom Dam and Reservoir are operated. These include Folsom Re-operation (Interim and Permanent), Folsom Flood Management Plan - Forecast Based Flood Operation, Folsom Temporary Planned Deviation from Water Control Plan, and FEMA Certification. Additionally, Reclamation's dam safety program has several projects underway at Folsom Dam including Mormon Island Auxiliary Dam (MIAD) Seismic, Folsom Dam Hydrologic, Folsom Embankment Static, and Folsom Concrete Dam Static/Seismic.

Despite best efforts by both agencies, Reclamation will experience costs and impacts due to these projects which will not be covered by Corps funding. Additionally, Reclamation is already discovering items that need to be replaced in conjunction with the work the Corps is doing, but that are not covered by the Corps projects. The Corps projects will be tying new systems into old systems, which may need upgrading to make the entire system operate as it should. It is often more efficient to make the upgrades at the time the new system is being installed.

The purpose of this activity plan is to request funding to allow Reclamation to cover costs and impacts experienced by Reclamation and to request funding to cover minor modifications to that system so that as the Corps installs new systems, the overall system will function in a proper manner.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

Reclamation will have expenses and impacts from these Corps and dam safety projects. If unfunded, these will have to be covered by other O&M funds, taking away from funding for critical O&M activities. Also, Reclamation would not be able to make minor modifications to the system as the Corps installs new systems. This will put Reclamation in the position of having to go back later, and make the upgrades, sometimes at significantly increased costs.

### **Activity Authorization:**

Congress has authorized the US Army Corps of Engineers through the following authorizations and others to implement a number of physical and operational modifications to Folsom Dam and Reservoir.

P.L. 104-303, Water Resources Development Act of 1996

P.L. 106-53, Water Development Appropriations Act

P.L. 108-137, Energy & Water Development Appropriations Act





## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	50	50	50	50	50
2500	Other Services	420	420	420	420	420
8126	Regional Indirect Cost	15	15	15	15	15
8128	Office Indirect Cost	15	15	15	15	15
<b>Total Federal Estimate:</b>		<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>
<b>Total Estimate:</b>		<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Folsom Powerplant Operations & Maintenance	<b>Activity ID:</b>	38
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	U4P

Folsom Powerplant Maintenance - This activity is for the scheduled preventive maintenance, corrective maintenance and breakdown repair of the power plant structure and equipment. Provides for supervisory, engineering, and administrative support. This activity is required for the minimal maintenance of the facility. This work is performed by Communication and Instrumentation Mechanics, Power System Electricians, Plant Mechanics, Painters, Maintenance Workers, Engineers, and other personnel from the area office. The equipment includes three 69 MW hydroelectric units with governor, excitation system, transformer, bus system, penstock and fixed wheel gate system, cooling water system, protective relays, and control, annunciation, metering and indication, and auxiliary systems which include governor, brake, and service compressed air systems, drainage and unwatering system, lube and transformer oil systems, station service, emergency generator, 125 VDC battery system, and bridge crane. The structure includes the concrete building, industrial and domestic water systems, sewage system, lighting, HVAC systems, security system, elevator, and deck drainage system.

Folsom Powerplant Operations - This activity is performed by Control Operators and Senior Control Operators. The three 69MVA hydroelectric units are normally operated under supervisory control from the Central Valley Operations (CVO) Office in Sacramento, CA. If supervisory control is lost, operators take local computer or manual control of the generating units until remote supervisory control is restored. In addition, operators are responsible for operation of supporting plant auxiliary equipment such as AC and DC station service electrical systems, lube and transfer oil systems, high voltage bus and breaker systems, drainage and unwatering systems, and compressed air systems. Operators take equipment in and out of service using clearances, investigate malfunctioning equipment and put the equipment in a safe condition until maintenance personnel can repair it.

Folsom Powerplant Standing Operating Procedures (SOP) are primarily for operating personnel located at or near the power facility and their immediate supervisors who are assigned responsibility for the physical operation and maintenance of the facility. SOPs contain operating instructions and information for all the equipment in the power facility.

Folsom Powerplant Review of O&M - The Review/Examination Program for powerplants (Directive and Standard FAC4-01) requires a Periodic Facility Review to be done every 6 years by the Regional Office and a Comprehensive Facility Review is to be done every 6 years by the Technical Service Center (TSC). These 2 exams are to be alternated every 3 years. Every year is to have an annual inspection done by the Area Office (AO). There may also be special examinations during the year which will either be performed by or coordinated and attended by AO personnel. Recommendations are made from these examinations that often require the AO to spend time and materials to complete. AO personnel are required to assist in the inspections and often will be required to operate equipment for the examination team. This work is coordinated by the AO. Region and the TSC have their own funding for this work.

Facility RAX activities are shown under separate plans.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

This activity will provide minimal reliability. A nonoperational hydroelectric unit could cause loss of power generation if the unit is required to meet water releases. A nonoperational auxiliary system can cause a unit to not be available for operation. The average revenue from a Folsom Unit is \$10,000 per day. This money would not be deposited into the General Treasury Fund. In addition, if the equipment is maintained in a breakdown mode, damage can be greater due to component failure which will make the cost of repair much greater and take longer to repair.

### **Activity Authorization:**

American River Basin Development Act of 1949, P.L. 356.



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	1,530	1,580	1,580	1,430	-
2100	Total Travel	15	15	15	15	-
2200	Total Transportation	10	10	10	10	-
2500	Other Services	200	200	200	190	-
2600	Supplies & Materials	100	100	100	100	-
3100	Equipment	100	100	100	100	-
8126	Regional Indirect Cost	459	474	474	430	-
8128	Office Indirect Cost	459	474	474	430	-
<b>Total Federal Estimate:</b>		<b>2,873</b>	<b>2,953</b>	<b>2,953</b>	<b>2,705</b>	<b>-</b>
<b>Total Estimate:</b>		<b>2,873</b>	<b>2,953</b>	<b>2,953</b>	<b>2,705</b>	<b>-</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Nimbus Powerplant Operations & Maintenance	<b>Activity ID:</b>	58
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	U4P

Nimbus Powerplant Maintenance - This activity is for the scheduled preventive maintenance, corrective maintenance and breakdown repair of the power plant structure and equipment. Provides for supervisory, engineering, and administrative support. This activity is required for the minimal maintenance of the facility. This work is performed by Communication and Instrumentation Mechanics, Power System Electricians, Plant Mechanics, Painters, Maintenance Workers, Engineers, and other personnel from the area office. The equipment includes two(2) 7.5 MW hydroelectric Units with governor, excitation system, transformer, bus and breaker system, fixed wheel gate system, cooling water system, protective relays, and control, annunciation, metering and indication, and auxiliary systems which include governor, brake, and service compressed air systems, drainage and unwatering system, lube and transformer oil systems, station service, 125 VDC battery system, and gantry crane. The structure includes the concrete building, industrial and domestic water systems, sewage system, lighting, HVAC systems, and security system. It does not include large repairs that would need to be covered by emergency funds.

Nimbus Powerplant Operations - This activity is performed by Control Operators and Senior Control Operators. The two 7.5MVA hydroelectric units are normally operated under supervisory control from the Central Valley Operations (CVO) Office in Sacramento, California. If supervisory control is lost, operators take local computer or manual control of the generating units until remote supervisory control is restored. In addition, operators are responsible for the operation of supporting plant auxiliary equipment such as AC and DC station service electrical systems, lube and transfer oil systems, high voltage bus and breaker systems, drainage and unwatering systems, compressed air systems. Operators take equipment in and out of service using clearances, investigate malfunctioning equipment and put the equipment in a safe condition until maintenance personnel can repair it.

Nimbus Powerplant Standard Operating Procedures (SOPs) are primarily for operating personnel located at or near the power facility and their immediate supervisors who are assigned responsibility for the physical operation and maintenance of the facility. SOPs contain operating instructions and information for all the equipment in the power facility.

Nimbus Powerplant Review of O&M - The Review/Examination Program for powerplants (Directive and Standard FAC4-01) requires a Periodic Facility Review to be done every 6 years by the Regional Office and a Comprehensive Facility Review is to be done every 6 years by the Technical Service Center (TSC). These 2 exams are to be alternated every 3 years. Every year is to have an annual inspection done by the Area Office (AO). There may also be special examinations during the year which will either be performed by or coordinated and attended by AO personnel. Recommendations are made from these examinations that often require the AO to spend time and materials to complete. AO personnel are required to assist in the inspections and often will be required to operate equipment for the examination team. This work is coordinated by the AO. Region and the TSC have their own funding for this work.

Facility RAX activities are shown under separate plans.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

This activity will provide minimal reliability. A nonoperational hydroelectric unit could cause loss of power generation if the unit is required to meet water releases. A nonoperational auxiliary system can cause a unit to not be available for operation. The average revenue from a Nimbus Unit is \$3,200 per day. This money would not be deposited into the General Treasury Fund.

### **Activity Authorization:**

American River Basin Development Act of 1949, P.L. 356.



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	898	920	920	859	-
2100	Total Travel	10	10	10	10	-
2200	Total Transportation	5	5	5	5	-
2500	Other Services	190	200	200	150	-
2600	Supplies & Materials	50	50	50	50	-
3100	Equipment	68	68	68	68	-
8126	Regional Indirect Cost	269	276	276	258	-
8128	Office Indirect Cost	269	276	276	258	-
<b>Total Federal Estimate:</b>		<b>1,759</b>	<b>1,805</b>	<b>1,805</b>	<b>1,658</b>	<b>-</b>
<b>Total Estimate:</b>		<b>1,759</b>	<b>1,805</b>	<b>1,805</b>	<b>1,658</b>	<b>-</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Folsom Switchyard Operations & Maintenance	<b>Activity ID:</b>	68
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	U4P

Folsom Switchyard Maintenance - This activity is for the scheduled preventive maintenance, corrective maintenance and breakdown repair of the switchyard equipment. This activity is required for the equipment to remain in operational condition with acceptable reliability. Provides for supervisory, engineering, and administrative support. This activity is required for the efficient operation and maintenance of the facility. This work is performed by Communication and Instrumentation Mechanics, Power System Electricians, Plant Mechanics, Painters, Maintenance Workers, Engineers, and other personnel from the Area Office (AO). The equipment includes three SF6 Unit breakers, disconnects, UHA 4160 switchgear, protective relays and control, annunciation, metering and indication. This activity does not include large repairs that would need to be covered by emergency funds. Facility preventive maintenance and rehabilitation activities are shown under separate plans.

Folsom Switchyard Operations - This activity is performed by Control Operators and Senior Control Operators. The 115KV and 230KV unit breakers are normally operated under supervisory control from the Central Valley Operations (CVO) Office in Sacramento, California. If supervisory control is lost, operators take local computer or manual control of the unit breakers until remote supervisory control is restored. In addition, operators are responsible for the operation of 4160 Volt AC station service electrical system located in the switchyard. Operators take equipment in and out of service using clearances, investigate malfunctioning equipment and put the equipment in a safe condition until maintenance personnel can repair it.

### Explanation Change from PFY:

### Impact(s) if Unfunded:

This activity will provide minimal reliability. A nonoperational unit breaker could cause loss of power generation if the unit breaker is required to meet power generation and the transfer breaker is not operational. The average revenue from a Folsom unit is \$80,000 per day. This money would not be deposited into the General Treasury Fund.

In addition, if the equipment is maintained in a breakdown maintenance mode, damage can be greater due to component failure which will make the cost of the repair greater and take longer to repair.

### Activity Authorization:

American River Basin Development Act of 1949, P.L. 356.



## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	96	100	100	90	-
3100	Equipment	16	16	16	16	-
8126	Regional Indirect Cost	29	30	30	27	-
8128	Office Indirect Cost	29	30	30	27	-
<b>Total Federal Estimate:</b>		<b>170</b>	<b>176</b>	<b>176</b>	<b>160</b>	<b>-</b>
<b>Total Estimate:</b>		<b>170</b>	<b>176</b>	<b>176</b>	<b>160</b>	<b>-</b>



## FY 2011 - Budget Activity Plan Extract

<b>Activity Name:</b>	Nimbus Switchyard Operations & Maintenance	<b>Activity ID:</b>	71
<b>Project/Division:</b>	0353 - CVP, American River Div. (CC-100)	<b>Subject to Reimbursement:</b>	Yes
<b>Description of Activity:</b>		<b>Fund:</b>	U4P

Nimbus Switchyard Preventive Maintenance - This activity is for the preventive maintenance of the switchyard equipment. This activity is required for the equipment to remain in operational condition with acceptable reliability. Provides for supervisory, engineering, and administrative support. This activity is required for the efficient operation and maintenance of the facility. This work is performed by Communication and Instrumentation Mechanics, Power System Electricians, Plant Mechanics, Painters, Maintenance Workers, Engineers, and other personnel from the Area Office (AO). The equipment includes a 16,667 KVA transformer and disconnect.

This activity does not include large repairs that would be covered by emergency funds. Facility Replacements, Additions, and Extraordinary Maintenance (RAX) activities are shown under separate plans.

### **Explanation Change from PFY:**

### **Impact(s) if Unfunded:**

This activity is required for minimal reliability. A nonoperational transformer or disconnect could cause loss of power generation. The average revenue from a Nimbus unit is \$8,000 per day. This money would not be deposited into the General Treasury Fund.

### **Activity Authorization:**

American River Basin Development Act of 1949, P.L. 356.





## FY 2011 - Budget Activity Plan Extract

\*\*\*\*\* ALL DOLLARS IN THOUSANDS \*\*\*\*\*

Breakdown by Object Code						
Object Code		FY11	FY12	FY13	FY14	FY15
1100	Total Salaries & Benefits	22	22	22	22	-
2600	Supplies & Materials	2	3	3	2	-
3100	Equipment	4	4	4	4	-
8126	Regional Indirect Cost	7	7	7	6	-
8128	Office Indirect Cost	7	7	7	6	-
<b>Total Federal Estimate:</b>		<b>41</b>	<b>43</b>	<b>43</b>	<b>40</b>	<b>-</b>
<b>Total Estimate:</b>		<b>41</b>	<b>43</b>	<b>43</b>	<b>40</b>	<b>-</b>